Wind.

applying the laser <u>output</u> pulses to the target so that the <u>laser output</u> pulses cleanly remove at least two layers within the spatial spot size.

which the organic dielectric material [is selected from] comprises PTFE, polyimides, epoxies, BT, phenolics, cyanate esters, paper, cardboard, or combinations thereof; the reinforcement material [is selected from] comprises glass, aramid fibers, kevlar TM, ceramics, or combinations thereof; and the metal [is selected from] comprises aluminum, titanium, nickel, copper, tungsten, platinum, gold, molybdenum, palladium, silver, or combinations thereof.

Claim 5, line 2, delete [structure].

Claim 6, line 2, after "is", insert

--less--

which [the] several pulses are employed to remove a spatial region of the target [area] that is greater than 25 pm. Midnelly

Claim 9, line 2, delete [target].

13. (Amended) [A] The method of [increasing the saturation depth of cut per pulse in a target material as a function of increasing power density of a laser beam pulse striking the target material to cause a depthwise removal of target material within a spatial region thereof, comprising:

producing high-power ultraviolet light output pulses generated by a solid-state laser, the light output pulses having a power density per pulse and claim 1 in which the spatial spot size defines a spot area that is smaller than [the] and lies within a spatial region of the target [material; and], the method further comprising:

directing the [light] <u>laser</u> output pulses sequentially to multiple positions associated with the spatial region to remove multiple amounts of target material corresponding to the spot [area and with minimal depth of cut per pulse saturation to a

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Cang.

depth corresponding to the power density per pulse of the light output pulses] areas.

Cancel claim 14.

Amend claims 15 and 16 as follows.

Claim 15, line 3, change [light] to

--laser--.

Claim 16, line 3, change [light] to

--laser--.

Cancel claims 18-21.

pulse cleanly removes at least two layers within the spatial spot size.

 \searrow Add the following claims.

comprising creating a blind via having a depth: diameter aspect ratio that is greater than

The method of claim 1 futher comprising creating a via having a depth:diameter aspect ratio that is greater than 2.--

Via is a through hole.--

laser output pulses are generated at a repetition rate of greater than about 1 kHz; in which the target comprises at least an organic dielectric material, a reinforcement material, and a metal; and in which the organic dielectric material comprises PTFE, polyimides, epoxies, BT, phenolics, cyanate esters, paper, cardboard, or combinations thereof; the reinforcement material comprises glass, aramid fibers, keviar TM, ceramics, or combinations thereof; and the metal comprises aluminum, titanium, nickel, copper, tungsten, platinum, gold, molybdenum, palladium, silver or combinations thereof.--

The method of claim 26 in which the spatial spot size is less than about 50 μ m, the layers have a combined depth of greater than about 25 μ m.--

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